

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/009863

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01L27/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 114 664 A (GE) 19 May 1992 (1992-05-19) column 1, line 65 – column 2, line 4 column 6, line 37 – line 51; claim 1; figures 2,4,7,8	1
A	DE 37 05 900 A (SIEMENS) 1 September 1988 (1988-09-01) cited in the application page 5, line 37 – line 39 page 5, line 47 – line 50; figure 3	1
A	US 5 760 310 A (ROSEMOUNT) 2 June 1998 (1998-06-02) column 3, line 66 – column 4, line 5; claim 1; figure 2	
		-/-



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

15 December 2004

Date of mailing of the International search report

28/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Mielke, W

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/009863

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 06 307962 A (YOKOGAWA) 4 November 1994 (1994-11-04) figures 2,4	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/009863

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
US 5114664	A 19-05-1992	EP US	0512794 A2 5204623 A		11-11-1992 20-04-1993
DE 3705900	A 01-09-1988	DE JP JP JP US	3705900 A1 1219517 A 2069834 C 7089065 B 4896525 A		01-09-1988 01-09-1989 10-07-1996 27-09-1995 30-01-1990
US 5760310	A 02-06-1998	AU DE WO	4110596 A 29521582 U1 9617235 A1		19-06-1996 04-12-1997 06-06-1996
JP 6307962	A 04-11-1994	JP	3178564 B2		18-06-2001